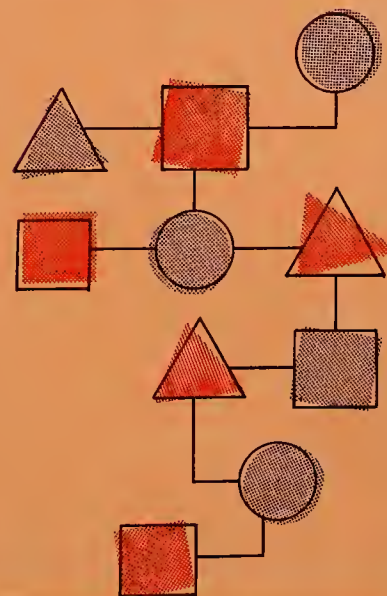


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MANAGING THE ENGINEERING FUNCTION

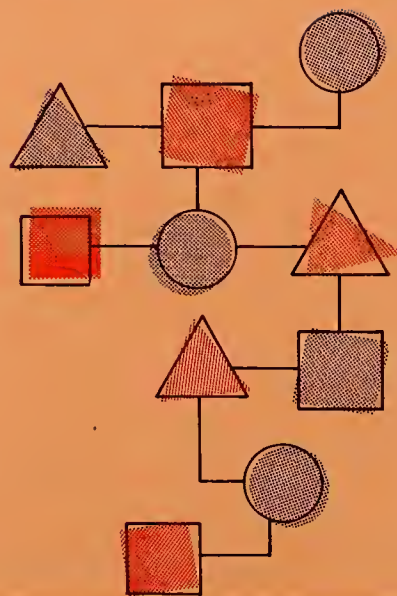
THE UNIVERSITY OF TORONTO,
DIVISION OF EXTENSION
in co-operation with
URWICK, CURRIE & PARTNERS LIMITED
AND THE ASSOCIATION OF PROFESSIONAL
ENGINEERS OF ONTARIO

Toronto/October 25-27/67



Send to:
The Division of Extension, University of Toronto
84 Queen's Park
Toronto 5, Ontario

Toronto/October 25-27/'67



MANAGING THE ENGINEERING FUNCTION

THE PROGRAM More and more engineers are turning to management jobs and many managers are seeking to know how to "manage the engineering function". This workshop has been organized to bring current thought — both theory and practice — to those who seek to keep themselves and their organization vital, efficient and effective.

The program commences with a dinner on the evening of October 25th. Dr. J. M. Ham, Dean of the Faculty of Applied Science and Engineering, University of Toronto, will speak.

The next two days will consist of seminar sessions. Topics will be introduced by lecturers, drawn from both business and university circles, who will lay groundwork for general discussion of the subject at hand. A case study will also be presented and the participants will be divided into small groups to analyze the case and reach conclusions which will be presented to the whole assembly.

FOR WHOM Supervising engineers and managers with responsibilities related to engineering functions, or those preparing themselves for such roles.

WHEN October 25, p.m. only, 26, 27, 1967.

WHERE St. Michael's College
University of Toronto
Toronto, Ontario

FEE \$150.00 — The fee covers the cost of tuition, printed materials, a dinner and two luncheons.

ACCOMMODATION For those who wish accommodation, there are numerous hotels nearby within either walking distance or subway travel. The Park Plaza Hotel, 4 Avenue Road, Toronto, is within a three minute walk of the seminar site.

REGISTRATION Application forms should be forwarded before October 16, 1967 to:

University of Toronto, Division of Extension,
Managing the Engineering Function,
84 Queen's Park, Toronto 5, Ontario.

Further application forms are available upon request. A cheque or money order covering the seminar fee in full should accompany the application. Fees are payable to the University of Toronto at par in Toronto.

ENROLMENT LIMIT Approximately 25 students can be enrolled for this seminar. Should applications exceed this number an attempt will be made to organize a second seminar for the same or future dates. Early registration is advised.

FORMAT

October 25
5:30- Registration — Cocktails —
6:45 p.m. Introductions
Dinner
Topic: *The Changing Role of Technology*
Speaker: DR. JAMES M. HAM
Dean of the Faculty of
Applied Science and
Engineering
University of Toronto

October 26
9:00- Topic: *Program Introduction*
9:15 a.m. Chairman: PROFESSOR MAURICE R. HECHT
9:15- Topic: *The Changing Role of*
10:30 a.m. *Engineering Today*
• structured decision making
• business oriented engineering output
Chairman: MR. PETER TUCK
Specialist, Advance Systems
Planning
Canadian General Electric

10:30- Break
10:45 a.m. Topic: *Organization and Control of the*
10:45- *Engineering Function*
12:15 p.m. • principles in the organization of
engineering functions
• organization of the engineering
function
• the project management approach
• case study
• planning and control of engineering
projects and manpower
• value engineering
• quality control
Chairmen: PROFESSOR JACK A. SARJEANT
School of Business
University of Toronto

and MR. PAUL C. WHITE
Consultant
Urwick, Currie & Partners
Ltd.

12:15- Lunch (provided)
1:30 p.m. Topic: *Organization and Control of the*
1:30- *Engineering Function*
3:00 p.m. — a continuation of the morning session
3:00- Break
3:15 p.m.

Program PROFESSOR MAURICE R. HECHT
Chairman School of Business
University of Toronto

3:15- Topic: *Management Development and*
5:00 p.m. *Motivation of Engineers*
• management training program for
engineers and technical managers
• motivation and productivity
Chairmen: MR. DOUGLAS M. NORMAN
Consultant
Urwick, Currie & Partners
Ltd.
and PROFESSOR MAURICE HECHT
Topic: *Analysis of a Major Case by*
7:30 p.m. *Individual Groups with Assistance from*
Session Leaders

October 27
9:00- Topic: *Case Study: Group Presentations*
10:30 a.m. *and Discussion of Results*
Chairman: MR. PAUL WHITE
Break
10:30- Topic: *Computer Developments*
10:45- *Applicable to the Engineering Function*
12:15 p.m. • the computer and its impact on the
engineering function
• design automation
• computer graphics
Chairman: PROF. WILLIAM MACELHINNEY
Faculty of Applied Science
and Engineering
University of Toronto
Main Speaker: PROFESSOR STEWART LEE
Faculty of Applied
Science and Engineering
University of Toronto

12:15- Lunch
1:30 p.m. Topic: *Computer Developments*
1:30- *Applicable to the Engineering Function*
3:00 p.m. — a continuation of the morning session

3:00- Break
3:15 p.m. Topic: *Open Session*
3:15- Chairman: PROFESSOR MAURICE HECHT
5:00 p.m. Panel Members:
MR. PAUL WHITE
MR. PETER TUCK
PROFESSOR WILLIAM MACELHINNEY
MR. D. M. NORMAN
DR. JAMES M. HAM
PROFESSOR STEWART LEE
PROFESSOR JACK SARJEANT

REGISTRATION FORM

Seminar MANAGING THE ENGINEERING FUNCTION
October 25, 26, 27, 1967.

Please enrol me in this seminar. My cheque or money order in the amount of \$150.00 payable at par to the University of Toronto is enclosed.

Name (please print)

Company

Position

Business Address

City

Province

Home Telephone

Business Telephone

Date

Signature

Send to:
The Division of Extension, University of Toronto
84 Queen's Park
Toronto 5, Ontario